

Abstract

The invention relates to a chimeric protein which is derived from a high-threshold calcium channel and which is characterised in that it consists of at least one β subunit or a fragment of same comprising at least the BID domain, which is fused at the NH_2 or COOH end thereof with the I-II loop of an α_1 subunit or a fragment of same comprising at least the AID domain. The invention also relates to the applications of said protein in the study of cell signalling pathways that are dependent on G-protein-coupled receptors (GPCR) and the identification of compounds that modulate the activity of G proteins.